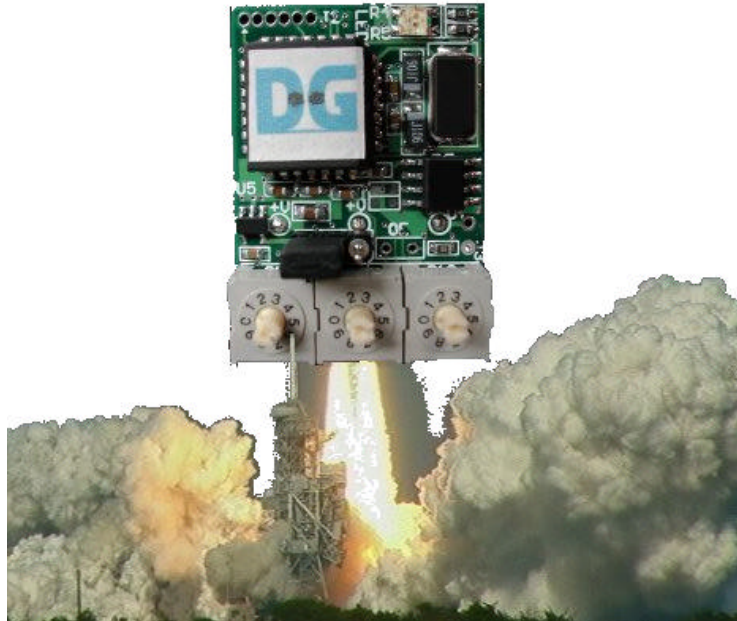


## VariClock

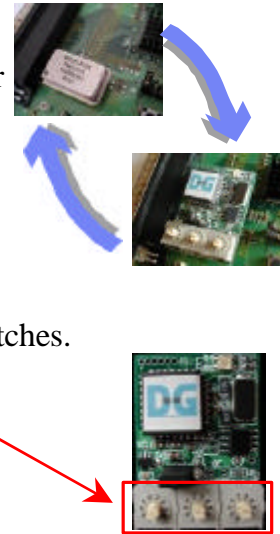


## Legacy Oscillators

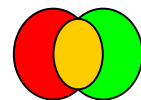
- **Low speed**
  - Market available legacy Oscillator frequency is less than 100MHz.
  - Maximum frequency of LVTTTL level output is 200MHz.
- **Fixed Frequency**
  - Another Oscillator is necessary in case of changing frequency.
  - Work delay if without stock of suitable frequency Oscillator.
- **Fixed power supply voltage**
  - 5V Oscillator and 3.3V Oscillator are different types.



- **Pin compatible**
  - Compatible with a board pattern of legacy Oscillator
  - Directly replaceable from general Oscillator.
- **Small and Light**
  - Stamp size (L 31mm × W 23mm), 10g
- **Adjustable Frequency**
  - Frequency can be directly set up by three rotary switches.



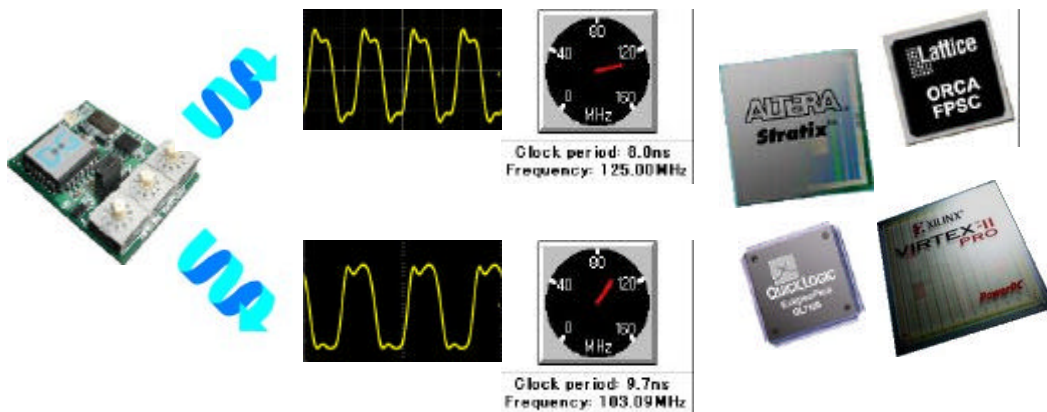
- **High speed**
  - Performance is guaranteed up to 250MHz, and Maximum available frequency is 400MHz (\*VC250M14P)
  - Highest speed of LVTTL-level general-purpose Oscillator.
- **High resolution of frequency setting**
  - Frequency can be adjusted by every 100KHz. (\*VC100M14P)
- **LED display**
  - Function state is indicated by Bi-colors LED showing Red, Green, and Yellow.
- **Supports both 5V and 3.3V power supply**
  - Apply both 5V and 3.3V power supply environment by regulator.
  - The setup of the power supply is easy by switching jumper-socket.



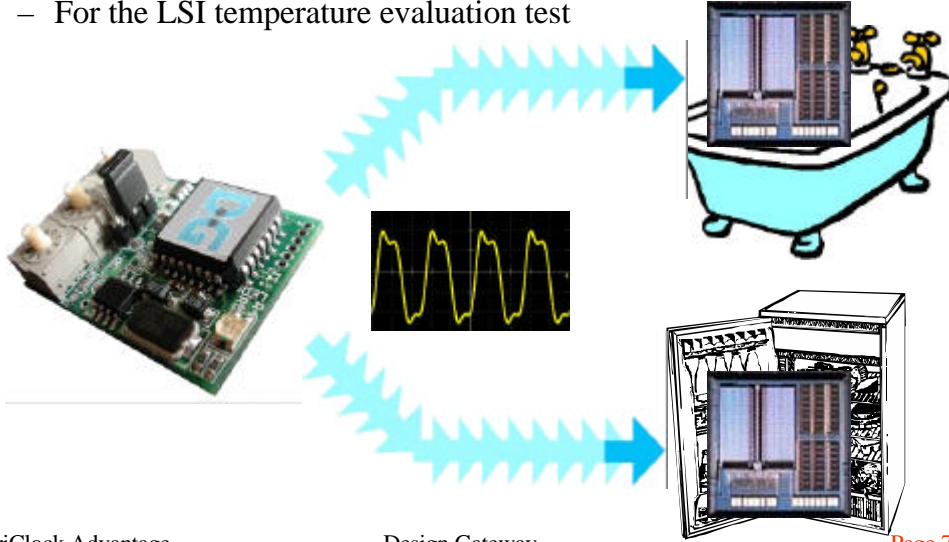
- **The stock of general-purpose Oscillator**
  - The clock of the necessary frequency is easily supplied on hand.
  - VariClock can satisfy clock frequency adjustment required for prototype development.



- **The system clock of the digital circuit as PLD/FPGA**
  - Frequency can be adjusted to a compile result of PLD/FPGA fitting.



- **The clock for the evaluation of the LSI as ASIC/ASSP**
  - For the LSI frequency margin/limit test
  - For the LSI temperature evaluation test



VariClock Advantage

Design Gateway

Page 7

- **VC250M14P (high-speed model)**
  - Frequency range: 25MHz - 400MHz  
(Maximum guarantee is 250M)
  - Frequency setting: Every 1MHz Step



- **VC100M14P (high-resolution model)**
  - Frequency range: 25MHz - 100MHz
  - Frequency setting: Every 100KHz Step(25 - 50MHz)  
Every 200KHz Step(50 - 100MHz)

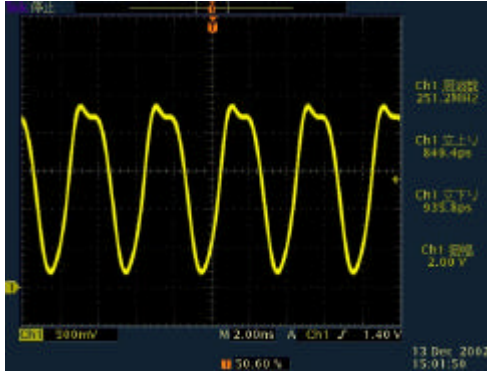


VariClock Advantage

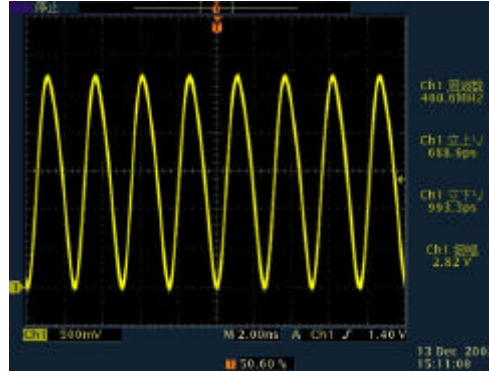
Design Gateway

Page 8

- 250MHz(Max guaranteed) / 400MHz(Max setting)



250MHz (with load)



400MHz (without load)

- Detail technical data in web site.
  - <http://www.dgway.com/products/VariClock>
- Contact us
  - Design Gateway Co., Ltd.
  - TEL: +66(2)-656-8911
  - FAX : +66(2)-656-8917
  - E-mail : [sales@design-gateway.com](mailto:sales@design-gateway.com)

